Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/11/2018 10:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125151	0	1.23	125047	1.20
Blue	F	SSC	125000	121233	-4	3.04	121600	2.82
Blue	E	FITC	23615	22618	-5	2.65	1011	10.63
Blue	D	PE	26739	26098	-3	2.01	940	10.17
Blue	B	PerCP-Cy5-5	48339	47322	-3	3.48	1356	17.03
Blue	A	PE-Cy7	45021	44501	-2	5.16	687	35.91
Red	C	APC	53064	52430	-2	2.67	3016	9.39
Red	A	APC-Cy7	57175	55819	-3	2.76	1157	11.32
Violet	B	V450	14728	13805	-7	4.63	667	9.47
Violet	A	V500	58621	56473	-4	4.47	2510	7.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19584	2.47	609	-5	N/A	N/A	Pass
Blue	F	SSC	60108	1.52	549	3	N/A	N/A	Pass
Blue	E	FITC	112	38.83	545	-3	0.0190	76	Pass
Blue	D	PE	205	29.07	536	0	0.1405	186	Pass
Blue	B	PerCP-Cy5-5	213	46.62	634	-1	0.0102	158	Pass
Blue	A	PE-Cy7	73	124.00	693	0	0.0117	20	Pass
Red	C	APC	347	28.14	596	-1	0.0207	97	Pass
Red	A	APC-Cy7	126	40.18	578	-2	0.0053	1356	Pass
Violet	B	V450	80	43.31	466	-4	0.0433	1887	Pass
Violet	A	V500	184	23.26	494	-3	0.0132	346	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-31.13	0.91
Blue	20.32	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	18.40	14.40 - 21.60	N/A	N/A	30.86	31.36	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13628

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments